

09/992,630

(FILE 'HOME' ENTERED AT 15:02:48 ON 27 FEB 2004)

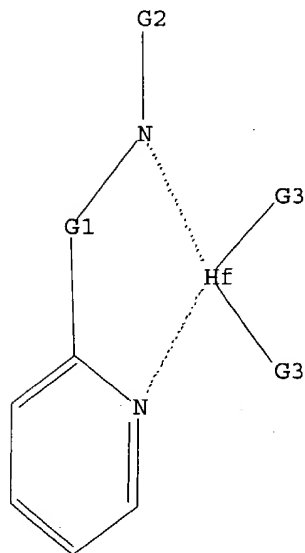
FILE 'REGISTRY' ENTERED AT 15:03:21 ON 27 FEB 2004

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C, Si

G2 Cb, Hy

G3 X, Cb, Hy, Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 15:04:04 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 3 TO 163

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 15:04:11 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 73 TO ITERATE

100.0% PROCESSED 73 ITERATIONS

12 ANSWERS

SEARCH TIME: 00.00.01

L3 12 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY      SESSION  
155.84      156.05

FILE 'CAPLUS' ENTERED AT 15:04:16 ON 27 FEB 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 27 Feb 2004 VOL 140 ISS 10  
FILE LAST UPDATED: 26 Feb 2004 (20040226/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3  
L4                    8 L3

=> d 1-8 bib abs

L4    ANSWER 1 OF 8    CAPLUS    COPYRIGHT 2004 ACS on STN  
AN    2003:376915    CAPLUS  
DN    138:370046  
TI    Films, blends and sealing compositions containing propylene copolymers  
IN    Tau, Li-Min; Chum, Steve; Karande, Seema; Bosnyak, Clive  
PA    Dow Global Technologies Inc., USA  
SO    PCT Int. Appl., 137 pp.  
      CODEN: PIXXD2  
DT    Patent  
LA    English  
FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003040202	A2	20030515	WO 2002-US35566	20021105
	WO 2003040202	A3	20030828		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003204017	A1	20031030	US 2002-139786	20020505
PRAI	US 2001-338881P	P	20011106		
	US 2002-139786	A	20020505		
AB	A film comprises a first layer having a machine direction (MD) tear of at least 75 g/mil, the first layer comprising a first polymer made from (a) at least 50% of propylene, and (b) at least 5% of ethylene and/or one or more unsatd. comonomers. The component (b) unsatd. comonomers are C4-20				

$\alpha$ -olefins, C4-20 dienes, and styrenic compds. The film has at least one of (i) a haze value < 10, (ii) 45 degree gloss > 65, and (iii) a dart value > 100 g/mil. In a preferred embodiment, the layer comprises a copolymer characterized as having at least one of the following properties: (i) <sup>13</sup>C NMR peaks of about equal intensity corresponding to a regio-error at about 14.6 and about 15.7 ppm, (ii) a B-value > 1.4 when the comonomer content of the copolymer is at least 3%, (iii) a skewness index Six > -1.20, (iv) a DSC curve with Tme that remains essentially the same and Tmax that decreases as the amount of comonomer in the copolymer increases, and (v) an X-ray diffraction pattern that reports more gamma-form crystals than a comparable copolymer prepared with a Ziegler-Natta catalyst. The propylene copolymers are produced using non-metallocene, metal-centered, heteroaryl ligand-containing catalysts. Blends and sealing compns. comprising the propylene copolymers are also claimed. Thus, isotactic ethylene-propylene copolymers comprising 5-8% of ethylene were produced by continuous solution polymerization in toluene and

blown

into films (50 $\mu$ m) having a haze value of 2-5, 45 degree gloss of 74-88, and MD tear of 145-375 g/mil.

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:376914 CAPLUS

DN 138:385930

TI Production of propylene copolymers using non-metallocene heteroaryl ligand-containing metal-centered catalysts

IN Stevens, James C.; Vanderlende, Daniel D.

PA The Dow Chemical Company, USA

SO PCT Int. Appl.; 188 pp.

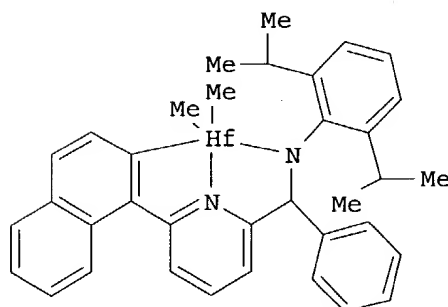
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003040201	A1	20030515	WO 2002-US14158	20020506
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003194575	A1	20031016	US 2002-289168	20021105
PRAI	US 2001-338881P	P	20011106		
OS	MARPAT 138:385930				
GI					



AB Copolymers comprising propylene, ethylene and/or one or more unsatd. monomers are characterized as having at least one of the following properties: (a) <sup>13</sup>C NMR peaks of about equal intensity corresponding to a regio-error at about 14.6 and about 15.7 ppm, (b) a B-value > 1.4 when the comonomer content of the copolymer is at least 3%, (c) a skewness index Six > -1.20, (d) a DSC curve with T<sub>me</sub> that remains essentially the same and T<sub>max</sub> that decreases as the amount of comonomer in the copolymer increases, and (e) an X-ray diffraction pattern that reports more gamma-form crystals than a comparable copolymer prepared with a Ziegler-Natta catalyst. These propylene polymers are produced using a non-metallocene, metal-centered, heteroaryl ligand-containing catalyst. The polymers can be blended with other polymers, such as propylene copolymers produced with metallocene catalysts, or the blends can be produced in situ by polymerizing monomers in a series reactor process using a non-metallocene catalyst of the invention in a first reactor and a metallocene catalyst in a second reactor. The copolymers and blends can be used in manufacture of films, sheets, foams, fibers and molded articles. Thus, a non-metallocene heteroaryl ligand-containing hafnium-centered catalyst (I) was produced by reacting tetrakis(dimethylamino)hafnium with 2-[(2,6-diisopropylphenylamino)phenyl]methyl-6-(1-naphthyl)pyridine in pentane, followed by reacting the intermediate with trimethylaluminum in pentane/hexane. Isotactic ethylene-propylene copolymer was produced by continuous solution polymerization in toluene using the non-metallocene catalyst,

bis(hydrogenated tallow alkyl)methylammonium tetrakis(pentafluorophenyl)borate and Me aluminoxane (PMAO-IP) as an activator.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:376910 CAPLUS  
DN 138:369385  
TI Supported catalysts for manufacture of polymers  
IN Coalter, Joseph N., III; Van Egmond, Jan W.; Fouts, Lewis J., Jr.; Painter, Roger B.; Vosepjka, Paul C.  
PA Dow Global Technologies Inc., USA  
SO PCT Int. Appl., 25 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003040195	A1	20030515	WO 2002-US35617	20021105
	WO 2003040195	B1	20030828		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003204017	A1	20031030	US 2002-139786	20020505
PRAI	US 2001-338881P	P	20011106		
	US 2002-139786	A	20020505		

OS MARPAT 138:369385

AB A supported catalyst composition and process for preparing high mol. weight polymers  
of one or more addition polymerizable monomers, especially propylene, said composition

comprising: (1) a substrate comprising the reaction product of a solid, particulated, high surface area, metal oxide, metalloid oxide, or a mixture thereof and an organoaluminum compound, (2) a Group 4 metal complex of a polyvalent, Lewis base ligand; and optionally, (3) an activating cocatalyst for the metal complex.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:449730 CAPLUS  
DN 137:6602  
TI Catalysts for copolymerizing ethylene and isobutylene and copolymers  
IN Boussie, Thomas R.; Diamond, Gary M.; Goh, Christopher; Hall, Keith A.; La Pointe, Anne M.; Leclerc, Margarete K.; Lund, Cheryl; Murphy, Vince  
PA Symyx Technologies, Inc., USA  
SO PCT Int. Appl., 147 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046249	A2	20020613	WO 2001-US44147	20011106
	WO 2002046249	A3	20030213		
	WO 2002046249	C2	20030501		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002041517	A5	20020618	AU 2002-41517	20011106
	US 2002137845	A1	20020926	US 2001-992760	20011106
	US 2002142912	A1	20021003	US 2001-992630	20011106
	US 2002147288	A1	20021010	US 2001-992385	20011106
	US 2002156279	A1	20021024	US 2001-992789	20011106
	US 2002173419	A1	20021121	US 2001-992148	20011106
	US 2002177711	A1	20021128	US 2001-993031	20011106
	EP 1364974	A2	20031126	EP 2003-19010	20011106
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LT, LV, FI, MK, CY, AL, TR			
PRAI	US 2000-246781P	P	20001107		
	US 2001-301666P	P	20010628		
	EP 2001-993629	A3	20011106		
	WO 2001-US44147	W	20011106		
OS	MARPAT 137:6602				
AB	Compsn., metal-ligand complexes and arrays with pyridyl amine ligands catalyze the title polymerization The catalysts comprise ligand R1NHTQ, where				
Q	= pyridyl; T = CR <sub>2</sub> R <sub>3</sub> ; R <sub>2</sub> , R <sub>3</sub> = H, hydrocarbyl, silyl, boryl, phosphino, amino, thio, seleno, halide, nitro, and mixts.; optionally R1-3 may form a ring; R1 = (substituted) aryl, hafnium precursor, optionally ≥1 activator and trialkylaluminum. Catalysts with Hf metal centers have high performance characteristics, including higher comonomer incorporation into ethylene/olefin copolymers, for example with, 1-octene, isobutylene or styrene, which are also exemplified. Certain of the catalysts are for polymerizing propylene to high mol. weight isotactic polypropylene in a solution process at a variety of polymerization conditions, which are also exemplified.				

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

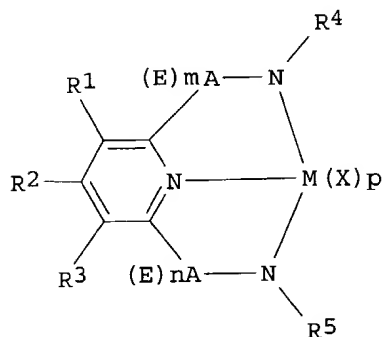
AN 2002:368531 CAPLUS  
 DN 136:386578  
 TI Substituted pyridyl amine ligands, complexes, catalysts and processes for  
 polymerizing olefins  
 IN Boussie, Thomas R.; Diamond, Gary M.; Goh, Christopher; Hall, Keith A.;  
 Lapointe, Anne M.; Leclerc, Margaete K.; Lund, Cheryl; Murphy, Vince  
 PA Symyx Technologies, Inc., USA  
 SO PCT Int. Appl., 195 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038628	A2	20020516	WO 2001-US43420	20011106
	WO 2002038628	A3	20030522		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002025662	A5	20020521	AU 2002-25662	20011106
	US 2002137845	A1	20020926	US 2001-992760	20011106
	US 2002142912	A1	20021003	US 2001-992630	20011106
	US 2002147288	A1	20021010	US 2001-992385	20011106
	US 2002156279	A1	20021024	US 2001-992789	20011106
	US 2002173419	A1	20021121	US 2001-992148	20011106
	US 2002177711	A1	20021128	US 2001-993031	20011106
	EP 1334139	A2	20030813	EP 2001-993629	20011106
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	EP 1364974	A2	20031126	EP 2003-19010	20011106
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LT, LV, FI, MK, CY, AL, TR			
PRAI	US 2000-246781P	P	20001107		
	US 2001-301666P	P	20010628		
	EP 2001-993629	A3	20011106		
	WO 2001-US43420	W	20011106		
OS	MARPAT 136:386578				
AB	Certain of these catalysts with Hf metal centers have high performance characteristics, including higher comonomer incorporation into ethylene/olefin copolymers, where olefins are for example, 1-octene, isobutylene or styrene. The catalysts are particularly effective at polymerizing propylene to high mol. weight isotactic polypropylene in a solution process at a variety of polymerization conditions.				

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:124194 CAPLUS  
 DN 134:178968  
 TI Manufacture of olefin (co)polymers in high polymerization activity  
 IN Sugimura, Kenji; Takagi, Sachihiro; Fujita, Terunori  
 PA Mitsui Chemicals Inc., Japan  
 SO Jpn. Kokai Tokkyo Koho, 16 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----

PI JP 2001048925 A2 20010220 JP 1999-229187 19990813  
 PRAI JP 1999-229187 19990813  
 OS MARPAT 134:178968  
 GI

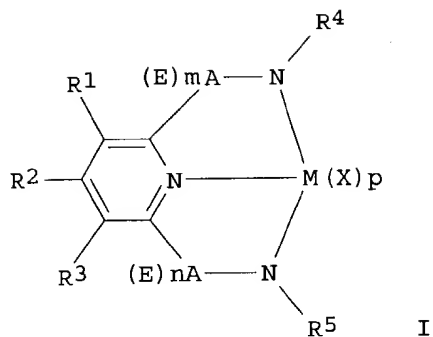


AB Olefins are (co)polymerized in the presence of catalysts comprising (A) transition metal compds. I [M = Group 3-6 metal; R1-R5 = H, halo, hydrocarbyl, etc.; A = carbon, etc.; m, n = 0-2; E = substituent containing carbon, nitrogen, etc.; X = H, halo, etc.] and (B)  $\geq 1$  compds. selected from organometallic compds., organic aluminumoxy compds., and compds. forming ion pairs by reaction with A, A and B being added in the polymerization systems as slurries of aliphatic or alicyclic hydrocarbons.

Thus, ethylene-1-octene copolymer with ethylene content 94 mol% was prepared at 25° and ambient temperature in the presence of hexane slurry of Me aluminoxane and heptane solution of I (M = Zr, R1-R3 = H, R4-R5 = 2,6-diisopropylphenyl, A = carbon, m = n = 0, p = 2, X = Cl).

L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:124187 CAPLUS  
 DN 134:178966  
 TI Manufacture of  $\alpha$ -olefin random copolymers having narrow molecular weight distribution in high polymerization activity  
 IN Sugimura, Kenji; Takagi, Sachihiro; Fujita, Terunori  
 PA Mitsui Chemicals Inc., Japan  
 SO Jpn. Kokai Tokkyo Koho, 20 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

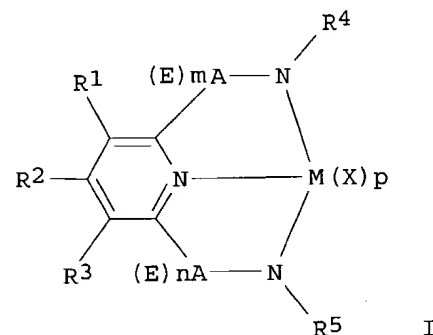
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001048911	A2	20010220	JP 1999-229188	19990813
PRAI	JP 1999-229188		19990813		
OS	MARPAT 134:178966				
GI					



AB At least 2 kinds of compds. selected from C<sub>≥3</sub> α-olefins are copolymd. in the presence of catalysts comprising (A) transition metal compds. I [M = Group 3-6 metal; R<sub>1</sub>-R<sub>5</sub> = H, halo, hydrocarbyl, etc.; A = carbon, etc.; m, n = 0-2; E = substituent containing carbon, nitrogen, etc.; X = H, halo, etc.] and (B) ≥1 compds. selected from organometallic compds., organic aluminumoxy compds., and compds. forming ion pairs by reaction with A. Thus, propylene and 1-butene were polymerized in the presence of Me aluminoxane and I (M = Zr, R<sub>1</sub>-R<sub>3</sub> = H, R<sub>4</sub>-R<sub>5</sub> = 2,6-dimethylphenyl, A = C, m = n = 0, p = 2, X = Cl) at 25° for 30 min to give a copolymer with propylene content 98 mol%.

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:124186 CAPLUS  
 DN 134:178965  
 TI Manufacture of cyclic olefin copolymers having narrow molecular weight distribution in high polymerization activity  
 IN Sugimura, Kenji; Takagi, Sachihiro; Fujita, Terunori  
 PA Mitsui Chemicals Inc., Japan  
 SO Jpn. Kokai Tokkyo Koho, 24 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001048910	A2	20010220	JP 1999-229185	19990813
PRAI	JP 1999-229185		19990813		
OS	MARPAT 134:178965				
GI					



AB Cyclic olefins and normal or branched olefins are polymerized in the presence of catalysts comprising (A) transition metal compds. I [M = Group 3-6 metal; R<sub>1</sub>-R<sub>5</sub> = H, halo, hydrocarbyl, etc.; A = carbon, etc.; m, n = 0-2; E



= substituent containing carbon, nitrogen, etc.; X = H, halo, etc.] and (B)  $\geq 1$  compds. selected from organometallic compds., organic aluminumoxy compds., and compds. forming ion pairs by reaction with A. Thus, norbornene and ethylene were polymerized in the presence of Me aluminoxane and I (M = Zr, R1-R3 = H, R4-R5 = 2,6-dimethylphenyl; A = carbon, m = n = 0, p = 2, X = Cl) at 25° for 1 h to give a copolymer with norbornene content 37 mol%.